Course Outline Moorpark - ANTH M01

I. CATALOG INFORMATION
   A. Discipline: ANTHROPOLOGY
   B. Subject Code and Number: ANTH M01
   C. Course Title: Biological Anthropology
   D. Credit Course units:
      Units: 3
      Lecture Hours per week: 3
      Lab Hours per week: 0
      Variable Units: No
   E. Student Learning Hours:
      Lecture Hours:
      Classroom hours: 52.5 - 52.5
      Laboratory/Activity Hours:
      Laboratory/Activity Hours: 0 - 0
      Total Combined Hours in a 17.5 week term: 52.5 - 52.5
   F. Non-Credit Course hours per week
   G. May be taken a total of: ☑ 1 ☐ 2 ☐ 3 ☐ 4 time(s) for credit
   H. Is the course co-designated (same as) another course: No ☐ Yes ☑
      If YES, designate course Subject Code & Number: 
   I. Course Description:
      Introduces the scientific method as used in the study of humans as biological organisms. Focuses on human evolution and diversity, including genetics, evolution, primatology, paleoanthropology, human variation, and biocultural adaptation. Examines how humans relate to other living organisms and how the tools of science are used to reconstruct the past history of our species.
   J. Entrance Skills
      *Prerequisite: No ☑ Yes ☐ Course(s)
      *Corequisite: No ☑ Yes ☐ Course(s)
      Limitation on Enrollment: No ☑ Yes ☐
      Recommended Preparation: No ☑ Yes ☐ Course(s)
      Other: No ☑ Yes ☐
K. Other Catalog Information:

Course Credit Limitation: Credit will not be awarded for both the honors and regular versions of a course. Credit will be awarded only for the first course completed with a grade of “C” or better or “P”. Honors Program requires a letter grade.

Provider approved by the California Board of Registered Nursing. Provider number CEP2811 for 45 contact hours.

II. COURSE OBJECTIVES

Upon successful completion of the course, a student will be able to:

<table>
<thead>
<tr>
<th></th>
<th>Methods of evaluation will be consistent with, but not limited by, the following types or examples.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>describe the scientific process as a methodology for understanding the natural world.</td>
</tr>
<tr>
<td>2</td>
<td>define the scope of anthropology and discuss the role of biological anthropology within the discipline.</td>
</tr>
<tr>
<td>3</td>
<td>identify the main contributors to the development of evolutionary theory.</td>
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<tr>
<td>4</td>
<td>explain the basic principles of Mendelian, molecular and population genetics.</td>
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<tr>
<td>5</td>
<td>evaluate how the forces of evolution produce genetic and phenotypic change over time.</td>
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<tr>
<td>6</td>
<td>demonstrate an understanding of classification, morphology and behavior of living primates.</td>
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<tr>
<td>7</td>
<td>summarize methods used in interpreting the fossil record, including dating techniques.</td>
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<tr>
<td>8</td>
<td>recognize the major groups of hominin fossils and describe</td>
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</table>
III. COURSE CONTENT

<table>
<thead>
<tr>
<th>Estimated %</th>
<th>Topic</th>
<th>Learning Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture (must total 100%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.00%</td>
<td>Nature of scientific inquiry and the scientific method</td>
<td>1, 2, 3</td>
</tr>
<tr>
<td>11.00%</td>
<td>Anthropological perspective</td>
<td>2, 9</td>
</tr>
<tr>
<td>11.00%</td>
<td>History and development of biological evolutionary thought</td>
<td>1, 3, 4, 5</td>
</tr>
<tr>
<td>11.00%</td>
<td>Molecular, Mendelian and population genetics</td>
<td>4, 5</td>
</tr>
<tr>
<td>11.00%</td>
<td>Mechanisms of evolution</td>
<td>5</td>
</tr>
<tr>
<td>11.00%</td>
<td>Comparative primate taxonomy, anatomy and behavior</td>
<td>6</td>
</tr>
<tr>
<td>11.00%</td>
<td>The nature of the fossil record including dating techniques</td>
<td>7</td>
</tr>
<tr>
<td>12.00%</td>
<td>Fossil and genetic evidence of human evolution</td>
<td>7, 8</td>
</tr>
<tr>
<td>11.00%</td>
<td>Biocultural adaptations and modern human variation</td>
<td>5, 9</td>
</tr>
</tbody>
</table>

IV. TYPICAL ASSIGNMENTS

A. Writing assignments

Writing assignments are required. Possible assignments may include, but are not limited to:
1. essays and research papers on topics such as the evidence for evolution.
2. summaries and analyses of guest lectures, films, or other class projects.
3. reports on visits to zoos, museums, and other sites.

B. Appropriate outside assignments

Appropriate outside assignments are required. Possible assignments may include, but are not limited to:
1. visits to zoos, museums, lectures.
2. library or internet research on the methods of interpreting and dating the fossil record.
3. assigned readings and other projects.

C. Critical thinking assignments

Critical thinking assignments are required. Possible assignments may include, but are not limited to:
V. METHODS OF INSTRUCTION

Methods of instruction may include, but are not limited to:

- Distance Education – When any portion of class contact hours is replaced by distance education delivery mode (Complete DE Addendum, Section XV)

- Lecture/Discussion

- Laboratory/Activity

- Other (Specify)

Methods of instruction may include visits to zoos and observations of animals.

VI. METHODS OF EVALUATION

Methods of evaluation may include, but are not limited to:

- Essay Exam
- Problem Solving Exam
- Objective Exams
- Classroom Discussion
- Reports/Papers/Journals Projects
- Participation

Multiple measures may include, but are not limited to:

1. Individual/group writing projects
2. Written or oral quizzes
3. Field assignments
4. Journal reviews
5. Other writing assignments

VII. REPRESENTATIVE TEXTS AND OTHER COURSE MATERIALS


VIII. STUDENT MATERIALS FEES

[X] No  [ ] Yes

IX. PARALLEL COURSES

<table>
<thead>
<tr>
<th>College</th>
<th>Course Number</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>UC Berkeley</td>
<td>ANTHRO 1</td>
<td>Introduction to Biological Anthropology</td>
<td>4</td>
</tr>
<tr>
<td>CSU, Northridge</td>
<td>ANTH 151</td>
<td>Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>UC Santa Barbara</td>
<td>ANTH 5</td>
<td>Introductory Physical Anthropology</td>
<td>4</td>
</tr>
<tr>
<td>Oxnard College</td>
<td>ANTH R101</td>
<td>Introduction to Biological Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>Ventura College</td>
<td>ANTH V01</td>
<td>Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>UC Los Angeles</td>
<td>ANTHRO 7</td>
<td>Human Evolution</td>
<td>5</td>
</tr>
</tbody>
</table>

X. MINIMUM QUALIFICATIONS

Courses Requiring a Masters Degree:
Master's degree in anthropology or archaeology OR bachelor's degree in either of the above AND master's degree in sociology, biological sciences, forensic sciences, genetics or paleontology OR the equivalent.

XI. ARTICULATION INFORMATION

A. Title V Course Classification:

1. This course is designed to be taken either:

   [ ] Pass/No Pass only (no letter grade possible); or
   [X] Letter grade (P/NP possible at student option)

2. Degree status:

   Either [X] Associate Degree Applicable; or [ ] Non-associate Degree Applicable

B. Moorpark College General Education:

1. Do you recommend this course for inclusion on the Associate Degree General Education list?

   Yes: [X] No: [ ] If YES, what section(s)?

   [X] A1 - Natural Sciences - Biological Science
   [ ] A2 - Natural Sciences - Physical Science
   [ ] B1 - Social and Behavioral Sciences - American History/Institutions
   [ ] B2 - Social and Behavioral Sciences - Other Social Behavioral Science
   [ ] C1 - Humanities - Fine or Performing Arts
C. California State University (CSU) Articulation:

1. Do you recommend this course for transfer credit to CSU? Yes: [X] No: 

2. If YES do you recommend this course for inclusion on the CSU General Education list? Yes: [X] No: 

   If YES, which area(s)?

   ![Checkboxes for A1 to E to indicate area selection.]

D. University of California (UC) Articulation:

1. Do you recommend this course for transfer to the UC? Yes: [X] No: 

2. If YES do you recommend this course for the Intersegmental General Education Transfer Curriculum (IGETC)? Yes: [X] No: 

   **IGETC Area 1: English Communication**
   - [ ] English Composition
   - [ ] Critical Thinking-English Composition
   - [ ] Oral Communication

   **IGETC Area 2: Mathematical Concepts and Quantitative Reasoning**
   - [ ] Mathematical Concepts

   **IGETC Area 3: Arts and Humanities**
   - [ ] Arts
   - [ ] Humanities

   **IGETC Area 4: Social and Behavioral Sciences**
   - [ ] Anthropology and Archaeology
   - [ ] Economics
   - [ ] Ethnic Studies
   - [ ] Gender Studies
   - [ ] Geography
XII. REVIEW OF LIBRARY RESOURCES

A. What planned assignment(s) will require library resources and use?

The following assignments require library resources:
Research projects using the Library's print and online resources on such topics as the ethical aspects of stem cell research.

B. Are the currently held library resources sufficient to support the course assignment?

YES: [x] NO: 

If NO, please list additional library resources needed to support this course.

XIII. PREREQUISITE AND/OR COREQUISITE JUSTIFICATION

ANTH M01: Not Applicable

XIV. WORKPLACE PREPARATION

ANTH M01: Not Applicable

XV. DISTANCE LEARNING COURSE OUTLINE ADDENDUM
1. Mode of Delivery
   - Online (course will be delivered 100% online)
   - Online with onsite examinations (100% of the instruction will occur online, but examinations and an orientation will be scheduled onsite)
   - Online/Hybrid (a percentage of instruction will be held online and the remaining percentage of instruction will be held onsite)
     - Lab activities will be conducted onsite
   - Televideo (Examinations and an orientation will be held onsite)
   - Teleconference
   - Other

2. Need/Justification
   Improve general student access.

3. Describe how instructors teaching this course will ensure regular, effective contact with and among students.

   The instructor will communicate with students through the course management system, using both synchronous tools (such as chat) and asynchronous tools (such as email and discussions).

   Email is a tool primarily used for course-wide updates and individual student contact. Students and the instructor can privately contact each other with questions, concerns, etc. Discussion Forums will be used to disseminate course-wide information and facilitate ongoing collaborative course work. Students may also use the Discussion Forums to solicit help from the instructor and other students. Discussions may also be graded encouraging students to participate in the class. The Calendar and Announcement tools will be used to keep students informed of important events, deadlines, etc. Additional collaborative learning involves using software that allows students and the instructor to collaborate in real-time. These sessions may also be recorded and archived so that students who were not able to participate can also benefit from them. The instructor may talk with individual students or with student groups. Students may also collaborate with each other without the instructor.

4. Describe how instructors teaching this course will involve students in active learning.

   All course materials will be available online. Students will be able to download files and view them offline. Instructor may also provide course content within the course management system as well as provide links to supplemental publications, articles, and websites.

   Quizzes may be issued (using a course-specific timeline) in which students will be tested on their knowledge of the material. Assignments may include exercises through which students explore course concepts using a textbook and/or additional research. Students can submit their assignments online and get feedback from the instructor and/or other students as determined per assignment. This can be an iterative process in that students can receive feedback and then be able to improve their submittal if necessary. Email is a tool
primarily used for course-wide updates and individual student contact. Students and the instructor can privately contact each other with questions, concerns, etc. Discussion Forums will be used to disseminate course-wide information and facilitate ongoing collaborative course work. Students may also use the Discussion Forums to solicit help from the instructor and other students. Discussions may also be graded encouraging students to participate in the class. Additional collaborative learning involves using software that allows students and the instructor to collaborate in real-time. These sessions may also be recorded and archived so that students who were not able to participate can also benefit from them. The instructor may talk with individual students or with student groups. Students may also collaborate with each other without the instructor.

5. Explain how instructors teaching this course will provide multiple methods of content representation.

The instructor can provide text, presentation slides, audio/visual material, assignment examples, tutorials (which may be live or recorded), and links to supplemental publications, articles, and websites.

6. Describe how instructors teaching this course will evaluate student performance.

Student evaluation will occur via standard techniques such as exercises, projects, quizzes, and a program rubric. The online environment will allow the exercises and projects to be iterative so that students may submit their work online and receive feedback from the instructor. The instructor can then communicate critique and/or solutions to students by posting them online. Additionally, graded discussions can be used to provide additional means of assessment.

XVI. GENERAL EDUCATION COURSE OUTLINE ADDENDUM

General Education Division of Learning [check all applicable boxes]:

- [X] Natural Sciences
  - [X] Biological Science
  - [ ] Physical Science
- [ ] Social and Behavioral Sciences
  - [ ] American History/Institutions
  - [ ] Other Social Science
- [ ] Humanities
  - [ ] Fine or Performing Arts
  - [ ] Other Humanities
- [ ] Language and Rationality
  - [ ] English Composition
  - [ ] Communication and Analytical Thinking
- [ ] Health/Physical Education
- [ ] Ethnic/Women's Studies
Check either Option 1 or Option 2

- **OPTION #1**: Moorpark College has already received approval from the CSU and/or UC systems for this course to fulfill a GE requirement. Note: This option applies only to technical revisions and updated courses.

- **OPTION #2**: Moorpark College has not received approval from the CSU and/or UC systems for this course to fulfill a GE requirement. This option applies to all new and substantively revised courses.

**XVII. STUDENT MATERIALS FEE ADDENDUM**
ANTH M01: Not Applicable

**XVIII. REPEATABILITY JUSTIFICATION TITLE 5, SECTION 55041**
ANTH M01: Not Applicable

**XIX. CURRICULUM APPROVAL**

Course Information:
- Discipline: **ANTHROPOLOGY**
- Discipline Code and Number: **ANTH M01**
- Course Revision Category: **Outline Update**

Course Proposed By:
- Originating Faculty: Rachel Messinger 09/02/2015
- Faculty Peer: John Baker 09/04/2015
- Curriculum Rep: Sandy Bryant 09/09/2015
- Department Chair: Andrew Kinkella 09/03/2015
- Division Dean: Norman Marten 09/08/2015

Approved By:
- Curriculum Chair: Jerry Mansfield 11/29/2015
- Executive Vice President: Lori Bennett 10/21/2015
- Articulation Officer: Letricia Mai 09/16/2015
- Librarian: Mary LaBarge 09/15/2015

Implementation Term and Year: **Spring 2016**

Approval Dates:
- Approved by Moorpark College Curriculum Committee: 10/06/2015
- Approved by Board of Trustees (if applicable): __________
- Approved by State (if applicable): __________